

Listing of Claims

1. (currently amended) A method for visualizing dynamic documents in a graphical user interface of a web browser, comprising:

generating a summary view that depicts structure of at least one a dynamic document from a data stream, the summary view including distribution and frequency data from an ongoing process and containing instances of search terms; within segments of the dynamic document to indicate relevance of the dynamic document based on said search terms, the distribution and frequency of said search terms are represented using a condensed abstract representation of a search term density distribution, wherein:

said condensed abstract representation comprises a marker selected from the group consisting of: color, pattern, and relative darkness, and

said summary view comprises a plurality of rows, columns, and markers in a rectangular arrangement, each of said markers comprises content that represents frequency with which one of said search terms occur in a position of the dynamic document;

said representation is selected from the group consisting of: color, pattern, and relative darkness;

updating said summary view to reflect changes that occur in said dynamic document from said data stream; and

triggering an enhancement of said summary view by cursor brushing a particular marker, said enhancement providing additional information of the structure of the dynamic document.

2. (previously presented) The method of claim 1 further comprising navigating to at least one segment of said dynamic document by selecting a corresponding portion of said summary view.
3. (currently amended) The method of claim 1 further comprising computing a statistical summary of contents of a portion of a selected dynamic document~~portion~~.
4. (currently amended) The method of claim 1 further comprising identifying ~~relevant~~ dynamic documents that are relevant to said search terms using ~~with~~ at least one search engine.
5. (previously presented) The method of claim 1 further comprising aggregating information to enable a more condensed abstract representation of said dynamic document.
6. (previously presented) The method of claim 1 wherein said updating is performed periodically.
7. (previously presented) The method of claim 1 wherein said updating is performed continuously.
- 8 - 22. (cancelled).
23. (currently amended) A computer program product for visualizing dynamic documents in a graphical user interface of a web browser, the computer program product comprising a computer

readable storage medium ~~machine-readable medium~~ having computer-executable program instructions embodied therewith ~~thereon~~ including:

~~a first code means~~ first code instructions for generating a summary view that depicts structure of at least one a dynamic document from a data stream, the summary view including distribution and frequency data from an ongoing process and containing instances of search terms within segments of the dynamic document to indicate relevance of the dynamic document based on said search terms, said summary view depicting a search term density distribution in a condensed abstract representation the distribution and frequency of said search terms are represented using a condensed abstract representation of a search term density distribution, wherein:

said condensed abstract representation comprises a marker selected from the group consisting of: color, pattern, and relative darkness, and

said summary view comprises a plurality of rows, columns, and markers in a rectangular arrangement, each of said markers comprises content that represents frequency with which one of said search terms occur in a position of the dynamic document;

~~wherein said representation is selected from the group consisting of: color, pattern, and relative darkness~~

~~a first code means~~ second code instructions for updating said summary view to reflect changes that occur in said dynamic document from said data stream; and

~~a first code means~~ third code instructions for triggering an enhancement of said summary view by cursor brushing a particular marker, said enhancement providing additional information of the structure of the dynamic document.

24 - 26. (cancelled)

27. (new) The method of claim 1, wherein at least one segment of said dynamic document is navigated to by selection of a corresponding portion of said summary view.

28. (new) The method of claim 1, wherein said search terms include user-specified events defined by significant changes in said distribution and frequency from said data stream.

29. (new) The method of claim 1, wherein said summary view comprises a number of distinct regions, each region having a different resolution scale, enabling information to be depicted at different levels of detail.

30. (new) The method of claim 29, wherein said resolution scale is a time scale.

31. (new) The method of claim 1, wherein said abstract representation is nonlinear.

32. (new) The method of claim 1, wherein said summary view depicts more recent events with higher resolution than less recent events.

33. (new) The computer program product of claim 23, further comprising:

fourth code instructions for navigating to at least one segment of said dynamic document by selecting a corresponding portion of said summary view.

34. (new) The computer program product of claim 23, further comprising:

fourth code instructions for computing a statistical summary of contents of a portion of a selected dynamic document.

35. (new) The computer program product of claim 23, further comprising:

fourth code instructions for identifying dynamic documents that are relevant to said search terms using at least one search engine.

36. (new) The computer program product of claim 23, further comprising:

fourth code instructions for aggregating information to enable a more condensed abstract representation of said dynamic document.

37. (new) The computer program product of claim 23, wherein said updating is performed periodically.

38. (new) The computer program product of claim 23, wherein said updating is performed continuously.

39. (new) The computer program product of claim 23, wherein at least one segment of said dynamic document is navigated to by selection of a corresponding portion of said summary view.

40. (new) The computer program product of claim 23, wherein said search terms include user-specified events defined by significant changes in said distribution and frequency from said data stream.

41. (new) The computer program product of claim 23, wherein said summary view comprises a number of distinct regions, each region having a different resolution scale, enabling information to be depicted at different levels of detail.

42. (new) The computer program product of claim 41, wherein said resolution scale is a time scale.

43. (new) The computer program product of claim 23, wherein said abstract representation is nonlinear.

44. (new) The computer program product of claim 23, wherein said summary view depicts more recent events with higher resolution than less recent events.